



Montana Department of Transportation
PO Box 201001
Helena, MT 59620-1001

Construction Memorandum

To: District Construction Engineers

From: Paul Jagoda, P.E.
Construction Engineering Services Engineer

Date: December 19, 2003

Subject: Magnesium/Calcium Chloride Sampling Frequency

This Construction Memo develops a uniform process for the sampling/testing of Magnesium/Calcium Chloride.

- Test every distributor load with a calibrated MDT hydrometer to assure the specific gravity is within specification limits. A visual inspection should be done on the sample to assure the sample does not have excess foreign material in it.
 - If the test passes the specific gravity requirement, accept the load with a form 46.
 - If the test fails, the EPM has discretion to reject the load or submit a sample for further analysis.
- Submit every third sample taken from the distributors or when the material comes from a different tanker/rail car. Submit these samples along with the Certifications on a Form 45 to the Materials Bureau for testing/analysis.
- A lot will represent a distributor load of material. Therefore, acceptance will be on a per-load (distributor) basis.

For assistance or questions related to the sampling/testing of Mag/Calcium Chloride, please contact the District's Construction Engineering Services Reviewer.

PJ/pe

CC:	EPMs	District Office Engineers	CES Bureau	District/Area Labs
	Mark Wissinger, PE	FHWA Operations Engineers	Kent Barnes, PE	Scott Barnes, PE